



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/069,787	02/28/2002	Christian Freyenberg	449122021400	5010
25227 7590 05/04/2007 MORRISON & FOERSTER LLP 1650 TYSONS BOULEVARD SUITE 400 MCLEAN, VA 22102			EXAMINER MEHRA, INDER P	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 05/04/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/069,787

**Applicant(s)**

FREYENBERG, CHRISTIAN

**Examiner**

Inder P. Mehra

**Art Unit**

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This office action is in response to application dated: 3/13/2007. Claims 1-9 are pending.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/16/2007 has been entered

### ***Claim Objections***

3. Claim 1-9 objected to because of the following informalities:

Claim 1 recites limitation "the at lease one message", in line 13. It should be "the at least one message"

Appropriate correction/clarification is required.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2617

5. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Ahuja**, as above, in view of **Brand** (US Patent No. 6,810,034), hereinafter, Brand, further in view of **White et al** (US Patent No. 6,069,890), hereinafter, White.

For claims 1 and 3-5, reciting “A method for processing signaling information” (**Ahuja discloses, with reference to fig. 1, col. 2 lines 65-67**) in a telecommunications network (ISDN), comprising:

- interchanging the signaling information (**col. 2 lines 65-67**) between a subscriber terminal (**terminal equipment 101, fig.1**), and a switching center (**central office switch 105**);

**Ahuja does not disclose the following limitations, which are disclosed by Brand, in reference to fig. 2, as follows:**

- converting the signaling information in the switching center **220 and 215** to at least one message which is transmitted to at least one telecommunications service server **260** which is connected to the switching center **220 and 215**, (**Brand discloses, “conversion system and method then contacts the appropriate server, which is connected to switching center”, see abstract , and refer to col. 5 lines 25-33**);

**Ahuja in view of Brand do not disclose explicitly the following limitations which are disclosed by White as follows:**

Art Unit: 2617

- the at least one telecommunications service server carries out telecommunications services which correspond to the at least one message , wherein the telecommunication services are in addition to services provided by the switching center, (refer to figs. 2-3, White discloses, “DNS server 89” which translates the name into a telephone number, it translates the logical alphanumeric address into a logical IP address associated with an application server which is connected to the Internet ; White discloses Internet services in addition to PSTN services, refer to fig. 2 and col. 5 lines 10-12; White discloses, “ caller---dials \*82 (message)”, col. 5 lines 60-62; “ determines from the prefix \*82 that the call is an Internet call”, col. 5 line 67 through col. 6 line 1);
- the at least one telecommunications service server is an Internet server, which is connected via an Internet to the switching center, (White discloses “DNS server 89 and DHCP server 91 refer to fig. 2 and col. 5 lines 45-47) And
- the at least one message is transmitted via the Internet to the Internet server (White discloses Internet module 74 at the receiving end, which includes DNS server 89 and DHCH server 91, fig. 2; further discloses “the central office switching system analyzes the received digits and determines the prefix \*82 that the call is an Internet call”, col. 5 line 66 through col. 6 line 1).
- As recited by claim 3, the telecommunications service server has a number of program routines for carrying out a number of telecommunications services, refer to col. 8 line 35 through line 40.

- **As recited by claim 4**, wherein the telecommunications service server carries out switching telecommunications services, the switching telecommunications services expanding the telecommunications services which are carried out by the switching center, **(refer to figs. 2-3, White discloses, “DNS server 89” which translates the name into a telephone number, it translates the logical alphanumeric address into a logical IP address associated with an application server which is connected to the Internet ; White discloses Internet services in addition to PSTN services, refer to fig. 2 and col. 5 lines 10-12; White discloses, “ caller---dials \*82 (message)”, col. 5 lines 60-62; “ determines from the prefix \*82 that the call is an Internet call”, col. 5 line 67 through col. 6 line 1);**
- **.As recited by claim 5**, wherein the telecommunications service server carries out subscriber-specific or national-specific telecommunications services, **(White discloses, “DNS server 89” which translates the name into a telephone number, it translates the logical alphanumeric address into a logical IP address associated with an application server which is connected to the Internet).**

It would have been obvious to the person of ordinary skill in the art at the time the invention to use the capability of converting the signaling information being converted in the switching center to at least one message which is transmitted to at least one telecommunications service server which is connected to the switching center, as taught by Brand and the capability of “the at least one telecommunications service server carries out telecommunications services which correspond to the at least one message , wherein the telecommunication services are in addition to services provided by the switching center”, as taught by White. The capabilities can

Art Unit: 2617

be implemented in server. The motivation for doing so is to provide services through the public telecommunications system.

For claim 6, reciting, “ An apparatus for processing signaling information in telecommunications network, (Ahuja discloses, ISDN, fig. 1), comprising:

a controller (line unit 111 and packet switch 109) to transmit, receive and process the signaling information (col. 3 lines 40-46) and connected to a server (access server 103) in a switching center (**central office switch 105**);

the controller (line unit 111 and packet switch 109) having a device to convert received signaling information, (line unit 111 and packet switch 109), which relates at least to one telecommunications service, into messages (refer to col. 3 lines 30-38, and col. 3 lines 40-46) and having an interface to connect at least one telecommunications service server (access server 103) to the switching center (central office switch 105);

the at least telecommunications service server (access server 103) configured for carrying out the at least one telecommunications service , wherein the at least one telecommunications service server is an Internet (113) server which is connected via an Internet (113), the switching center and wherein the at least one telecommunication service is in addition to services provided by the switching center

**Ahuja disclosed the following limitations, as above, which are, further, disclosed by Brand, in reference to fig. 2, as follows:**

Art Unit: 2617

- the controller having a device to convert received signaling information, which relates at least to one telecommunications service, into messages, and having an interface to connect at least one telecommunications service server 260 to the switching center 220 and 215, see abstract , and refer to col. 5 lines 25-33;
- the at least one telecommunications service server 260 configured for carrying out the at least one telecommunications service, wherein the at least one telecommunications service server is an Internet server 260 which is connected via an Internet to the switching center 220 and 215, refer to col. 5 lines 25-33 and abstract.

**Ahuja in view of Brand does not disclose the following limitations, which are disclosed by White, in reference to fig. 2, as follows:**

- wherein the at least one telecommunication service is in addition to services provided by the switching center (**White discloses Internet services in addition to PSTN services, refer to fig. 2 and col. 5 lines 10-12; White discloses, “ caller---dials \*82 (message)”, col. 5 lines 60-62; “ determines from the prefix \*82 that the call is an Internet call”, col. 5 line 67 through col. 6 line 1).**

It would have been obvious to the person of ordinary skill in the art at the time the invention to use the capabilities of converting the signaling information being converted in the switching center to at least one message which is transmitted to at least one telecommunications service server which is connected to the switching center, as taught by White. The capability can be implemented in server. The motivation for doing so is to provide voice communication link with the recipient party.



For claim 2, Ahuja discloses The method as claimed in claim 1,

- the signaling information is control information for an ISDN D channel protocol, and the control information is interchanged via a D channel (col. 2 lines 60-65) between the subscriber terminal (Terminal equipment 101) and the switching center (central office switch 105) with the control information having ISDN service information for at least one ISDN service, which information is converted in the switching center into messages and is transmitted to at least one ISDN D channel server which is connected to the switching center and corresponds to the telecommunications service server, and with the ISDN D channel server or servers carrying out the ISDN service or services corresponding to the messages; (refer to col. 2 lines 50-67).

For claim 7, Ahuja discloses the apparatus as claimed in claim 6, as above, wherein

- the signaling information is control information for the ISDN channel protocol (col. 2 lines 65-67), and the controller (line unit 105 and packet switch 109) transmits and receives control information via a D channel with the interface (12) being used for connecting at least one ISDN D channel server (9) as telecommunications service server, (refer to col. 3 lines 30-46).

For claim 8, Ahuja discloses the apparatus, refer to fig. 1, as claimed in claims 6 or 7, as above, characterized in that

Art Unit: 2617

- wherein the telecommunications service server servers (access server 103) has have an interface for connection the switching center (5) (central office switch 105), with the interface receiving messages from the switching center (5) and calling telecommunications services, which correspond to the messages, on the telecommunications service server or servers (9), refer to col. 3 lines 1-5.

For claim 9, Ahuja discloses “wherein the ISDN D channel , (col. 2 lines 64-67), server or servers (9) (access server 103, carries out or carry out the ISDN services corresponding to the control information. (col. 2 lines 64-67 and col. 3 lines 1-5),

***Response to Arguments***

6. Applicant's arguments filed 3/13/2007 have been fully considered but they are not persuasive.

Applicant does not deny that Brand sends a message, but rather asserts that the server does not carry out any services which correspond to that message. To further clarify the invention, applicant has amended claims 1 and 6 to clarify that the services carried out which correspond to the at least one **message are in addition to services carried out by the switching center**. Since applicant submits that **Brand never discloses any situation in which any device in the disclosed system carries out telecommunication services which correspond to the at least one message, Brand most certainly fails to teach that the at least one telecommunication service is in addition to services provided by the switching center**. The other cited references also fail to teach or suggest this feature. Thus, the prior art of record fails to teach or suggest, either alone or in combination, the features of claims 1 or 6.

Examiner , further, states that Brand (US Patent No. 6,810,034) discloses “this conversion system and method then contacts the appropriate server associated with the internet

Art Unit: 2617

protocol address and transmits the message over the Internet Protocol network. The message is then transmitted from the appropriate server to the telephone number of the recipient party. Further, the Internet Protocol gateway has the messaging capabilities of an Intelligent Network service such as signaling system no.7 protocol", refer to abstract.

In response, Examiner, further, states, Brand discloses, "this conversion system and method then contacts the appropriate server associated with the internet protocol address and transmits the message over the Internet Protocol network.

In response, Examiner states that Brand discloses "conversion system preferably utilizes an Internet Protocol Gateway and database", see abstract.

Examiner, further, states that White et al (6,069,890) discloses **PSTN network telecommunication services in addition to Internet communication services**, see figures 2-3, refer to col. 4 line 58 through col. 5 line 20.

Further, White discloses, "The central office switching system analyzes the received digits and determines from the prefix \*82 that the call is an Internet call", (this is clearly analyzing the signaling message that the call is via internet for some recipient), refer to col. 5 line 64 through col. 6 line 1 .

**In light of above explanation, arguments by applicant are not persuasive.**

### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P. Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

Art Unit: 2617

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Inder Pal Mehra 4/25/07*  
Inder P Mehra  
Examiner  
Art Unit 2617

*Erika A. Gary*  
ERIKA A. GARY  
PRIMARY EXAMINER